AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph starting at line 13 of page 1 with the following amended paragraph:

Various classes of graphical models describe computations that can be performed on computational hardware, such as a computer, a microcontroller, a field programmable gate array (an FPGA), or custom hardware. Classes of such graphical models include time-based block diagrams, such as those found within Simulink® from the MathWorks, Inc. of Natick, Massachusetts, state-based and flow diagrams, such as those found within Stateflow® from the MathWorks, Inc. of Natick, Massachusetts, data-flow diagrams, circuit diagrams and software diagrams, such as those found in the Unified Modeling Language. A common characteristic among these various forms of block diagrams is that they define semantics on how to execute the diagram.

Please replace the paragraph starting at line 1 of page 18 with the following amended paragraph:

The publishing tool enables the viewing of the block diagram as a document that can be published in any of the standard document formats (examples: PostScript, Portable Document Format (PDF), HyperText Markup Language (HTML), etc.). Those skilled in the art will recognize that the windows for multiple models and all of the tools mentioned above could potentially be embedded in a single Multi-Document Interface (MDI) for providing a unified software environment. Those skilled in the art will also recognize that block diagram packages offer scripting languages for writing out programs that automatically carry out a series of operations that would normally require interaction with the GUI. For example, Simulink® offers a set of commands in MATLAB for carrying out operations such as block

addition (*add_block)*, block deletion (*delete_block)*, starting and terminating execution (*sim)*, modifying block attributes (*set_param/get_param*), etc.

Please replace the paragraph starting at line 14 of page 18 with the following amended paragraph:

Simulink® also offers a variety of other GUI tools that improve the ability of users to build and manage large block diagrams. Examples of such GUIs include: (a) a Finder that helps find various objects such as blocks and lines within a block diagram, (b) a Debugger that helps debug the execution of block diagrams, (c) a Revision Control User Interface (UI) for managing multiple revisions of the block diagram, and (d) a Profiler for viewing timing results while executing a block diagram.

Please replace the paragraph starting at line 20 of page 25 with the following amended paragraph:

Simulink also provides the user with the ability to extend the simulator by providing the ability to enhance the simulator with blocks that define dynamic systems or are virtual properties. The extension is provided through a language independent Application Programming Interface (API) (e.g. C, C++, Ada, Fortran, Assembly, M).

Please replace the paragraph starting at line 21 of page 30 with the following amended paragraph:

The characteristics eligible for propagation are displayed in the GUI 300. Examples in the present illustrative example include font name 312, font size 314, font angle 316, block format position 322, block format orientation 324, foreground color 326, background color

328 and Real-Time Workshop® function name (RTWFcn name) 362. In the present example, the characteristics selected for propagation include font name 312, block format position 322 and block format orientation 324. An activation tool 365, such as a button, is provided to confirm the selection of characteristics.